

## Claims:

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1. Lithium flat battery consisting of a first housing part accommodating a first thin-layer electrode, a second housing part accommodating a second thin-layer electrode, and a separator placed between the electrodes, characterized by the fact that the housing parts (1, 2) of the battery are built of electrically conductive, that the separator (5) presents electrically insulating sealing and bonding material (5<sub>1</sub>) in the area where both housing parts (1, 2) are in contact with each other and that the housing parts (1, 2) are united by the sealing and bonding material (5<sub>1</sub>) on the separator (5) thus forming through him a closed housing.

15 2. Lithium flat battery according to claim 1 wherein the film building the housing parts (1, 2) is a metallic film.

3. Lithium flat battery claims 1 and 2 wherein the inside of at least one of the two battery parts (1, 2) is coated in the area accommodating the thin-layer electrodes (3, 4) with an electrically conductive bonding material.

20 4. Lithium battery according to claims 1 to 3 wherein the contact areas on one of the housing parts (1) are larger than those on the corresponding other housing part (2) and wherein the sealing material on the separator (5) covers the larger contact areas.

5. Lithium flat battery according to claims 1 to 4 wherein the films building the battery parts (1, 2) present, at least on one side, a layer of electrolytically deposited copper particles.

25 6. Lithium flat battery according to claims 1 to 5 wherein the sealant on the separator (5) outreaches over the edge of the films building the battery (1, 2) at least in the area where the electrical connector tabs (6, 7) are located.

7. Lithium flat battery according to claims 1 to 3 wherein the separator (5') presents the shape of a waffle comprising a peripheral rim (5'<sub>1</sub>) and depressions accommodating the electrodes (2', 3').

30 8. Lithium flat battery according to claim 7 wherein the battery body built by the housing parts (1', 2') and the separator (5'), but excluding the electrical connector tabs, is covered with an electrically insulating protective coating.

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